



# NEWS LETTER 2021

The News Bulletin from Nandha Engineering College

DEPARTMENT OF MASTER OF COMPUTER  
APPLICATIONS



Vol I Jun21- Apr 2022

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**Dr. RENGARAJAN N**  
**PRINCIPAL**

The two major qualities of a truly educated individual are the ability to think with clarity and intellectual inquisitiveness.

Today the value based education is the only help for synthesizing the moral fabric of individual and sure the young Department of Computer Applications offers the value based education in all aspects.

I'm sure this edition is the great effort to showcase their efforts.

I wish them all the very best.

## VISION

Department of Computer Applications aspires to become a technically advanced department on par with international standards through continuous improvement. To provide value, need based quality education to upgrade the talents of students.

## MISSION

Department of Computer Applications is committed to

- provide quality education and training in software technology
- prepare the students for equipping them to contribute technically to the software industry.
- pursue in every area to provide training to develop professionalism among the students and set path to leadership.

## ASSOCIATION ACTIVITIES

Association of MCA Chimera carried out several activities in this Academic Year 2021-2022. The office bearers carry out these activities with determination and due diligence which shows in the Curricular and Co-Curricular listed below with pride.

## FIRST YEAR INAUGURAL FUNCTION

Inaugural Function of First year PG Programme for MCA, MBA and ME Programmes were held on 20.10.2021 by 10.00 am. Welcome address was given by Dr. V. Manimegalai, Head of the Department of MBA.



The function was headed by Dr. N. Rengarajan, Principal, Nandha Engineering College, (Autonomous), Erode, delivered a few words and welcomed the students. Followed by him, Mr. K. Gunasekar, Head of the Department - CSE, delivered the information about the college and encouraged the students to perform well in future.

### ASSOCIATION INAUGURAL FUNCTION

The inaugural function of Chimera was held on 22<sup>nd</sup> October 2021. The Chief Guest of this function was Mrs.Santhiya Matheswaran, IT Analyst, Signatureflatbread, London. The office bearers were introduced by Head of the Department and the Chief Guest was honored by Dr. N. Rengarajan, Principal.

**Secretary: Keerthana S, Final MCA**

**Joint Secretary: Dharmaraj R, Final MCA**

**Treasurer: Gopalakrishnan S, First MCA**

And other 8 Executive members were inducted into the association.

#### Executive Members:

**Sarath Kumar R, Final MCA**

**Raveenthiran S, Final MCA**

**Sanmugapriya G, Final MCA**

**Sedhu M, Final MCA**

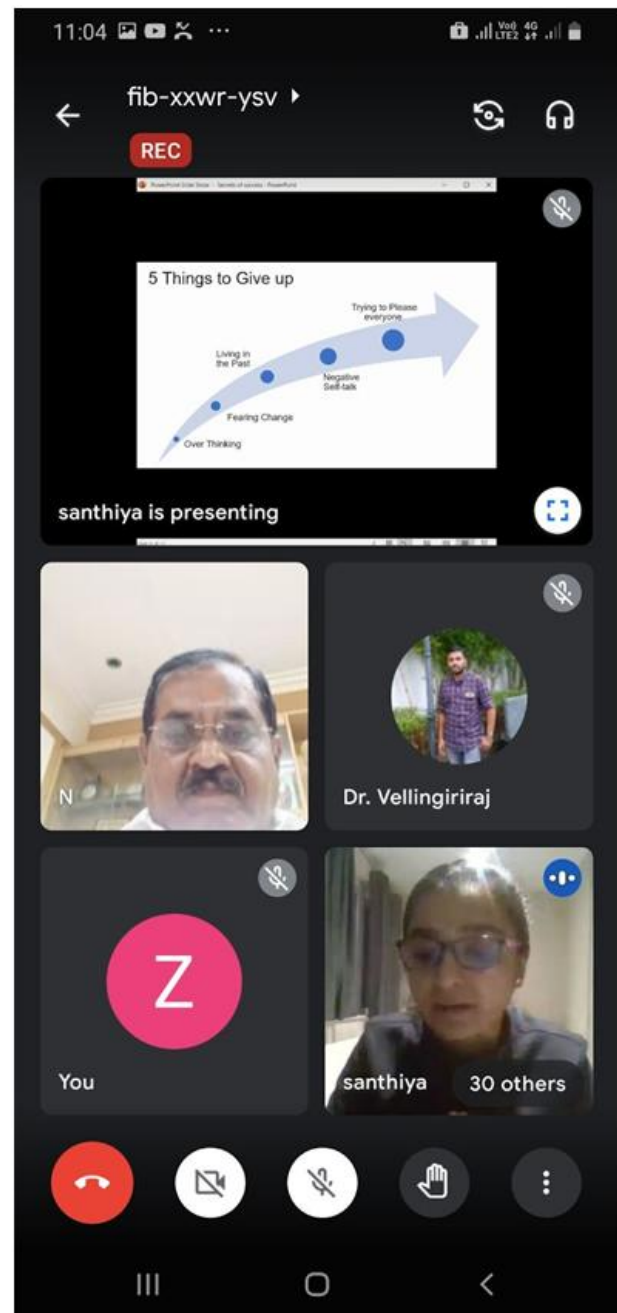
**Emayarman V, Final MCA**

**Sneka M , First MCA**

**Varshini K, First MCA**

**Gowtham L, First MCA**

### Vengatesh S, First MCA

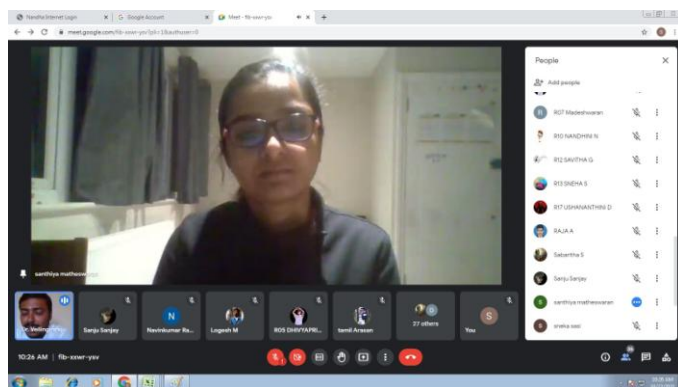
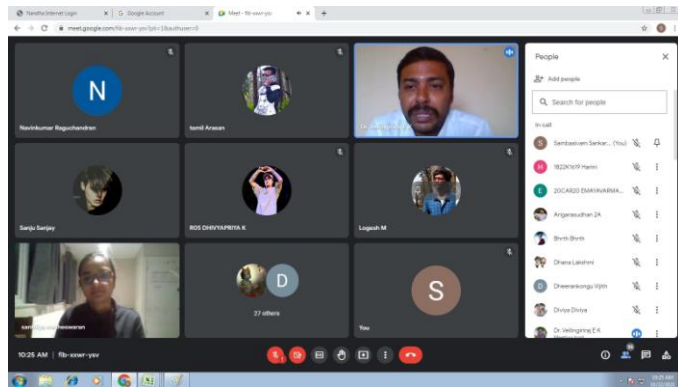


### WEBINAR

Association of MCA Conducted a webinar on “Secrets of Life to be Winner” on 22.10.21 and the resource person was Mrs.Santhiya

Matheswaran, IT Analyst, Signatureflatbread, London

She shared his know how on this topic which helped update the personality and soft skills of the students. At the end of this workshop, students gained knowledge on latest technologies.



### NEWSLETTER

Newsletter for the academic year 2020-21 was released on 25.10.2021 by Dr. N. Rengarajan, Principal, Nandha Engineering College, (Autonomous), and Erode. It contains the all co curricular , extracurricular and placement details of

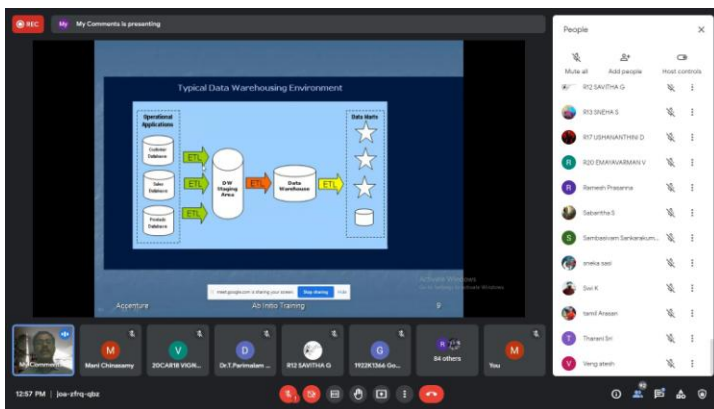
the students and also contains faculty skill up gradation details.



### INDUSTRIAL SEMINAR

A Webinar was conducted by the department of MCA with the collaboration of Nandha Arts and Science College B.Sc Computer Science Students. The Programme was held on 30.10.2021.

Welcome address was given by Mr. C. Mani, ASP-MCA. The Resource person was Mr. C. Ramnagaraj, Technical Test Lead, at INFOSYS Chennai. He shared his vast experience on ETL Data Warehouse Testing and enlightened the students in this domain. Around 90 participants benefited from this Webinar. Finally, Vote of thanks was delivered by HOD-MCA



**SOCIAL CLUB – AWARENESS PROGRAMME**

Social Club, Department of MCA organized the Public Awareness program on “E-Waste Management” on 1<sup>st</sup> November 2021. First year MCA students issued the notices to Public in SIPCOT and Central Bus Stand, Perundurai. Students raised awareness about the environmental and physical impacts of e-waste. Students explained how we should have destroyed electrical home appliances? .The students also told the people about the do's and don'ts of e-waste.

**WORKSHOP – SOFT SKILLS**

Department of MCA organized the Workshop on “Soft skills’ on from 6th December 2021 to 8th December 2021 and the resource person was Mr.Thanikachalam, Aptitude Trainer.

He shared his know how on this topic which helped update the personality and soft skills of the students. At the end of this workshop, students gained knowledge on reasoning and Logic.

**CAREER DEVELOPMENT PROGRAMME**

Department of MCA organized the Career Development Programme on Future of Aviation and Cargo Industry and Employment Opportunities in India And Abroad On 31.12.2021 and resource person was Mr. M. Veera Babu, Director, SACCA Institute of Freight and Tourism Pvt. Ltd. Chennai.

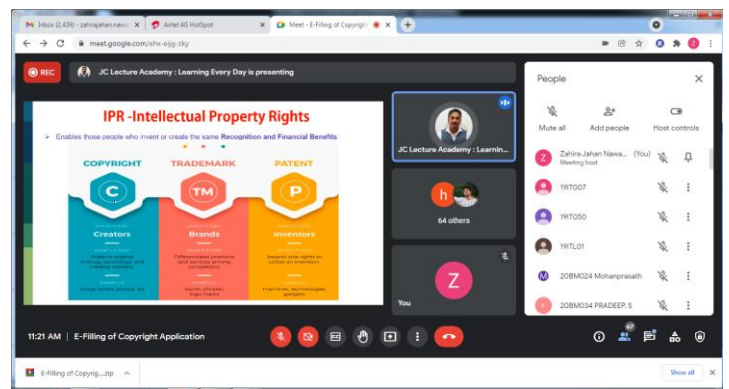
At the end of this programme, students gained knowledge about carrier in Aviation management.



**WEBINAR**

Institution’s Innovation Council (IIC –NEC) and Department of Computer Applications jointly

organized the webinar on “E-Filing of Copyright Application” on 12.01.2022. The Resource person Mr. T. Jayachandran, Assistant Professor, Department of ECE, Nandha Engineering College, Erode explained how to file copyright application on website of Copyright Office, India. Through this webinar the students are able to understand the various categories in which filing can be done.



**SOCIAL CLUB - PASSPORT CAMP**

Social Club, Department of MCA and P&G Academy jointly organized a Programme “Passport Camp” on 27<sup>th</sup> April 2022. Around 400 students and faculty members of Nandha Engineering College, Erode utilized this opportunity and benefited.



## WORLD EARTH DAY

As Celebration Activity on World Earth Day '22, a Seminar was jointly organized by Institution's Innovation Council (IIC-NEC) and Department of Computer Applications on 27th May 2022 headed by Chief Guests, Dr. V. Srinivasan, Founder, Olirum Siragukul Foundation, Erode and Mr. K. Shivakumar, Social Activist and Environmentalist, Erode & Scotland. On this occasion, as a traditional follow up, prayer song and lighting the lamp was done by the dignitaries.

Dr. E. K. Vellingiriraj, Head of the Department welcomed and introduce the chief guests to the gathering. Later, the Principal, Dr. N. Rengarajan, delivered the principal address. Then, the Principal Dr. N. Rengarajan adorn a shawl and issued a memento to the Chief Guests Dr. V. Srinivasan and Mr. K. Shivakumar. Later, the guests distributed the saplings to the students.



The Chief Guests, Dr. V. Srinivasan, Founder, Olirum Siragukul Foundation, Erode delivered speech about plants, its importance, how it secures the nature and world. And he also invited the students and faculty members to join hands with their foundation to plant tree every week. Then, Mr. K. Shivakumar, Social Activist and Environmentalist, Erode & Scotland delivered speech about water, how to protect our water resources and how to harvest rain water, processes it and use it. After the speech, students were interacted with the chief guests and clarified their doubts by asking questions.

The students are very much interested and gathered the knowledge about how to protect the Mother Nature, "Our Earth" and through that learnt how to protect our life.



**SKILL UPGRADATION-FACULTY MEMBERS**

- N.Zahira Jahan has undergone Innovation Ambassador Training (Foundation Level) Conducted by MoE's Innovation Cell & AICTE during the period from 30<sup>th</sup> June – 30<sup>th</sup> July 2021 in Online mode.
- N.Zahira Jahan were successfully participated in scholarship event on Gradeup UGC NET Talent Search Test(GTSE) 21<sup>st</sup> – 24<sup>th</sup> August 2021
- K.E.Eswari was attended AICTE – ATAL sponsored five days online FDP on “Blockchain Technology in India – A insight into public sector’ from 22.11.21 to 26.11.21 organized by Institute of Road and Transport Technology, Erode.
- Dr. E.K.Vellingiriraj was attended AICTE – ATAL sponsored five days online FDP on “Computational Intelligence “from 03.01.22 to 07.01.22 organized by National Institute of Technology, Agartala.
- 
- K.E.Eswari was participated in a Webinar on “ E-Filing of Copyright Application” organized by the Department of Computer Application and Institution’s Innovation Council ( IIC-NEC), Nandha Engineering College, Erode held on 12.01.2022.

- N.Zahira Jahan participated in the virtual Faculty Development Program on Fundamentals of Cloud Computing, IBM Watson and Permissionless and Permissioned Blockchain Systems: Myths and Reality on 9<sup>th</sup> Feb – 11<sup>th</sup> Feb 2022.
- K.E.Eswari was participated in the Two Days Faculty Development Programme on “Recent Trends in Research”, organized by Department of Computer Science and Application, College of Science & Humanities, SRM Institute of Science & Technology, Vadapalani, Chennai held on 9<sup>th</sup> and 10<sup>th</sup> Feb 2022.

**GRANT SANCTIONED**

Grand Sanctioned (Rs. 7500) for Student Project Scheme , TNSCST, Chennai for “Real Time GPS based Tracking Blood Donors for Emergency” by Dr.E.K.Vellingiriraj, Arunkumar S , Kirubaa V, Sanmuga priya G and Vijay S

**COPYRIGHT**

- K.Dhivyapriya II MCA has received Copyright from Copyright office of India titled “Ratha Vizigal” in Literature / Dramatic Work on 20.06.2022 . C.No: L-116250/2022

**PAPER PUBLISHED / PRESENTED**



- K.E.Eswari, N.Zahira jahan and R.Navin kumar were published paper on Multi Phase Shelter using Pixel Assortment Practice for Enhancing Steganography, International Journal of Mechanical Engineering, Volume 6 No. 3 Dec.2021, ISSN: 0974 – 5823.
- S.Sambasivam & C.Mani were published paper on The Role of AES and RC5 Algorithm: A Cryptosystem Model to Secure Information in the Image based Steganography along with Watermarking , Webology, Volume 18, Special Issue on Current Trends in Management and Information Technology, October, 2021
- Dr.E.K.Vellingiriraj & Ms.Thasleema Nasreen D were published paper on “Efficient Auditing Scheme for Secure Data Storage in Fog to Cloud Computing“ International Journal of Computer Techniques, Volume 9 Issue 2, May 2022
- Dr.E.K.Vellingiriraj & Ms.Keerthana S were published paper on “ ERP Software for Traders“ International Journal of Computer Techniques, Volume 9 Issue 2, May 2022
- Mr. R,Navin Kumar & Mr. Raveenthiran S were published paper on “ Efficient classification of brain tumors images using Neutral Network Technique“, International Journal of Computer Techniques, Volume 9 Issue 2, May 2022
- Ms. K.E.Eswari & Mr. Sarath kumar R were published paper on “ Deep Learning Prediction of Adverse drug reaction analysis using Artificial Neutral Network Model“, International Journal of Computer Techniques, Volume 9 Issue 2, May 2022
- Mr. C.Mani & Ms. Ushananthini D were published paper on “ An Efficient alerting system of Sewage monitoring to secure humans by identifying the Toxic gases“, International Journal of Computer Techniques, Volume 9 Issue 2, May 2022
- Ms. N.Zahira Jahan & Mr. Vigneshkumar S were published paper on “ Heart Disease identification using Machine Learning Methodologies“, International Journal of Computer Techniques, Volume 9 Issue 2, April 2022
- Ms. N.Zahira Jahan & Mr. Vijay S were published paper on “ A Proficient privacy protection method for cloud computing “, International Journal of Computer Techniques, Volume 9 Issue 2, April 2022
- Mr. R,Navin Kumar & Mr. Emayavarman V were published paper on “ARMA based crop yield prediction using temperature and Rainfall parameters with Ground water level classification“, International Journal of

Computer Techniques, Volume 9 Issue 2, May 2022

- Mr. C.Mani & Mr. Kirubaa V were published paper on “ Attendance management system by using Face Recognition“, International Journal of Computer Techniques, Volume 9 Issue 2, Mar 2022
- Ms. K.E.Eswari & Mr. Naveenchandar U were published paper on “ Improve workflow Scheduling Technique using Semo in Cloud Computing“, International Journal of Computer Techniques, Volume 9 Issue 2, April 2022
- Dr.E.K.Vellingiriraj & Mr. Mohamed Ali Jinna M were published paper on “ Identification of Covid -19 Future Forecasting“ International Journal of Computer Techniques, Volume 9 Issue 2, Mar 2022
- Ms. K.E.Eswari & Mr. Sedhu M were published paper on “ Eye Pupil Movement based on cursor control Mechanism using Image Processing “, International Journal of Computer Techniques, Volume 9 Issue 2, April 2022
- Dr.E.K.Vellingiriraj & Ms.Sanmuga Priya G were published paper on “Live Social Distance Detection using Deep Learning Model“ International Journal of Computer Techniques, Volume 9 Issue 2, Mar 2022
- Mr. C.Mani & Mr. Arunkumar S were published paper on “ Time Series analysis and Forecasting of Air Pollution particulate matter using Sarima and SVM approach“, International Journal of Computer Techniques, Volume 9 Issue 2, Mar 2022
- Ms. K.E.Eswari & Mr. Balaji S were published paper on “ Separable and Revisible data Hiding using Triple Encryption standard in Cloud Computing“, International Journal of Computer Techniques, Volume 9 Issue 3, May 2022
- Ms. N.Zahira Jahan & Ms. Dhanalakshmi R were published paper on “ Prediction of Enviromental Pollution using Neural Network“, International Journal of Computer Techniques, Volume 9 Issue 2, April 2022
- Mr. S.Sambasivam & Mr. Dhrrmaraj R were published paper on “ Automatic Moveable ARM Robot using Arduino “, International Journal of Computer Techniques, Volume 9 Issue 2, April 2022
- Ms. K.E.Eswari & Ms. Dhivyapriya K were published paper on “ Adaptive Coal Classification using Centroid Distance object Recognition method using Deep Learning“, International Journal of Computer Techniques, Volume 9 Issue 2, Mar 2022

- Ms. N.Zahira Jahan & Mr. Madeshwaran S were published paper on “ Software Vulnerability Classification model using Neutral Network“, International Journal of Computer Techniques, Volume 9 Issue 2, Mar 2022
- Mr. R,Navin Kumar & Mr. Manikandan R were published paper on “ Detection and Classification of fruit diseases using Image Processing“, International Journal of Computer Techniques, Volume 9 Issue 2, Mar 2022
- Mr. C.Mani & Ms. Mehala C were published paper on “ A Lion optimization based K-Prototype clustering algorithm for mixed data“, International Journal of Computer Techniques, Volume 9 Issue 2, Mar 2022
- Mr. S.Sambasivam & Ms. Nandhini N were published paper on “ Market Basket Analysis“, International Journal of Computer Techniques, Volume 9 Issue 2, April 2022
- Mr. S.Sambasivam & Mr. Santhosh Kumar were published paper on “ Significant permission identification for Andriod Malware detection “, International Journal of Computer Techniques, Volume 9 Issue 2, Mar 2022
- Dr.E.K.Vellingiriraj & Ms. Savitha G were published paper on “ Phishing page and Malicious URL Detection via Support vector Machine using Page Layout Feature “ International Journal of Computer Techniques, Volume 9 Issue 2, Mar 2022
- Mr. R,Navin Kumar & Ms. Sneha S were published paper on “ Multi-strategy sentiment analysis of Consumer Reviews with partial phrase Matching“, International Journal of Computer Techniques, Volume 9 Issue 2, Mar 2022
- Mr. R,Navin Kumar & Mr. Sujithkumar S published paper on “ Data Analysis of Consumer complaints in Banking industry using Hybrid Clustering and Sentiment analysis“, International Journal of Computer Techniques, Volume 9 Issue 2, Mar 2022
- Mr. S.Sambasivam & Mr. Sarga Sukan S were published paper on “ Reduced Energy Consumption of Data Transmission for TCP Download / Uploads“, International Journal of Computer Techniques, Volume 9 Issue 2, March 2022

### **PLACEMENT ACHIEVEMENTS**

During the Academic year 2021-2022, the placement of the ON drive and OFF drive in various MNC companies are given below.

- KEERTHANA S is placed in Thiruv Soft Pvt. Ltd, Coimbatore with Salary around 3.00 L/A per annum.
- RAVEENTHIRAN S is placed in Maveric with Salary around 3.6 L/A per annum.
- BALAJ.S AND SANMUGA PRIYA G were placed in Global Knowledge Technologies, Bangalore with Salary Around 3.6 L/A per annum.
- MANIKANDAN R is placed in eNTrust Chennai with Salary around 3.6 L/A per annum.